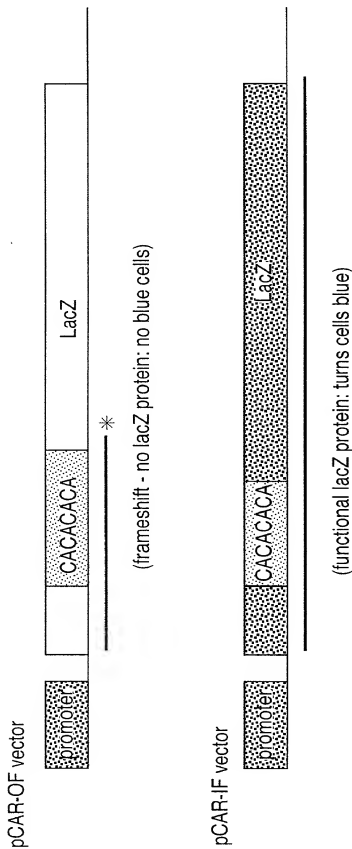


**FIG. 1**



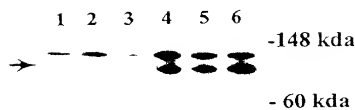
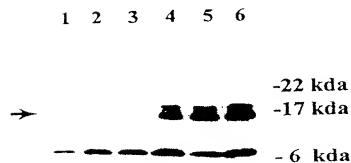
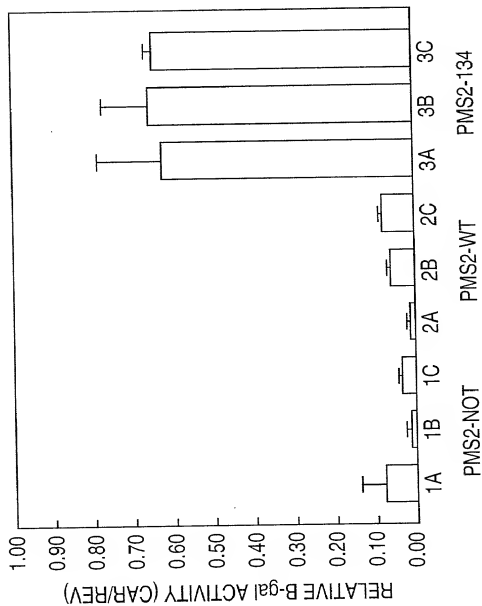
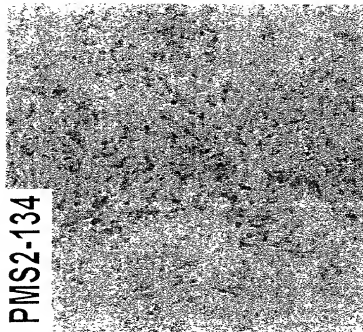
**FIG. 2A****FIG. 2B**

FIG. 2C



**FIG. 3B**  
**PMS2-134**



**FIG. 3A**  
**PMS2-WT**

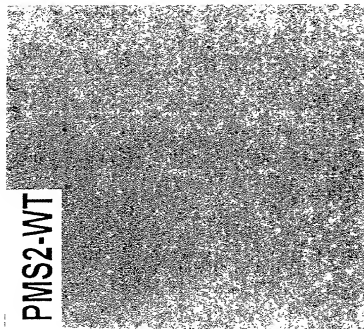
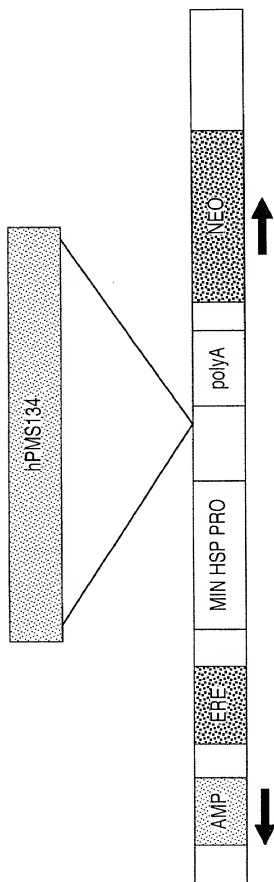


FIG. 3A

**FIG. 4**

AMP= ampicillin resistance gene

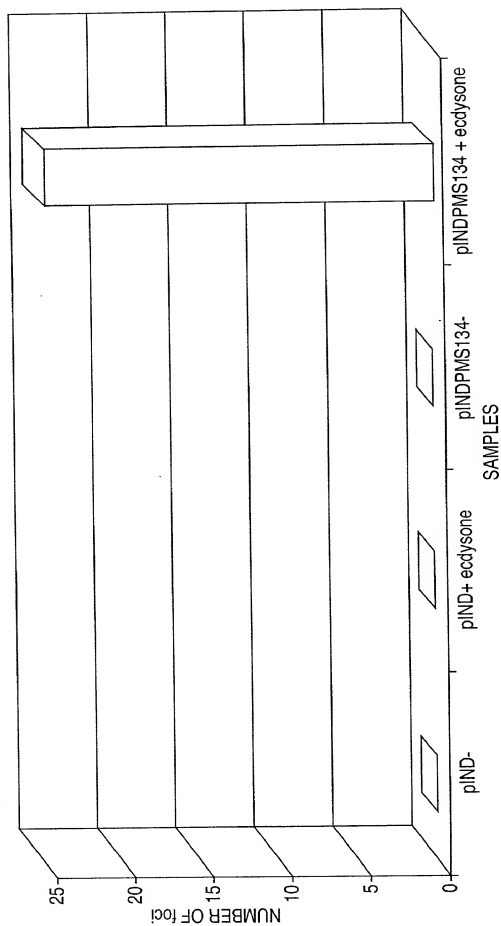
ERE= ecdysone response elements

MIN HSP PRO= minimal heat shock promoter

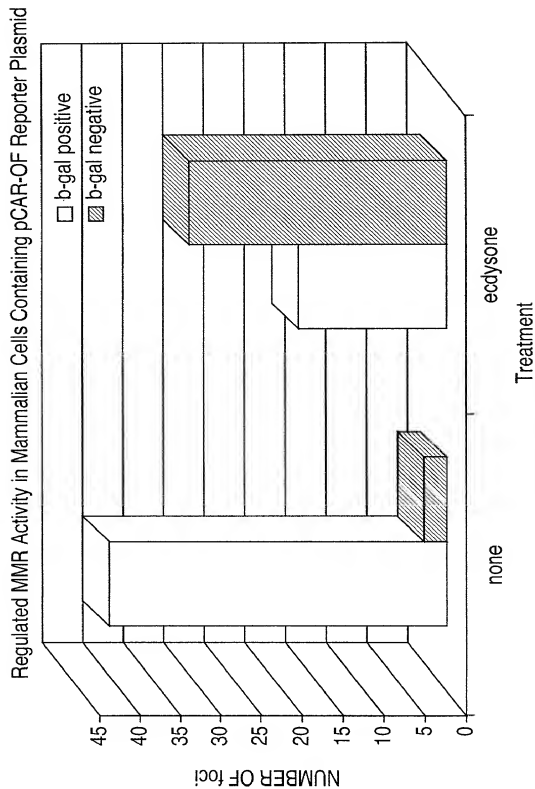
hPMS134= dominant negative MMR allele

polyA= BGH polyadenylation signal

NEO= neomycin phosphotransferase gene

**FIG. 5**Alteration of  $\beta$ -galactosidase reporter genes after induction of dominant negative MMR gene expression

**FIG. 6**



**FIG. 7**

polyPNP: out-of-frame polyA tract encodes for a truncated polypeptide

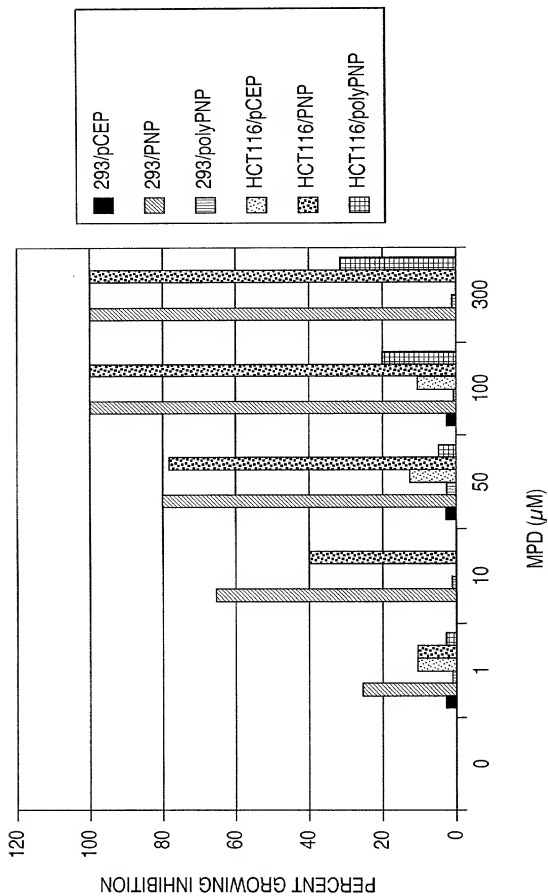
Met		HA
ATGGCAAAAAAAAAAAAAAAAAAAAAA	Purine Nucleotide Phosphorylase	

\*

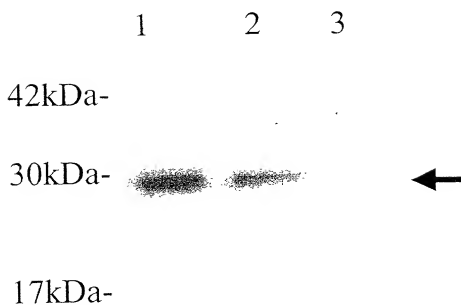
PNP: in-frame polyA tract encodes for a full-length polypeptide

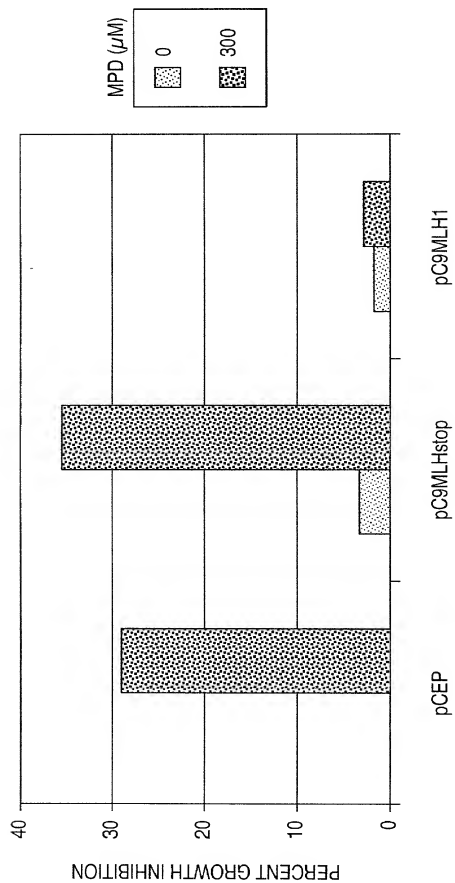
Met		HA
ATGGCAAAAAAAAAAAAAAAAAAAAAA	Purine Nucleotide Phosphorylase	



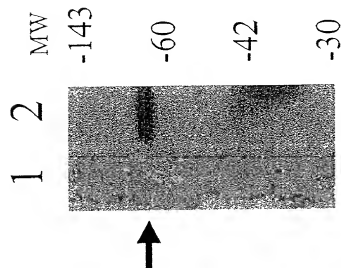
**FIG. 8A**

**FIG. 8B**



**FIG. 9**

**FIG. 10A**



**FIG. 10B**

